

Title (en)
STATOR AND ROTARY ELECTRIC MACHINE USING SAID STATOR

Title (de)
STATOR UND ELEKTRISCHE DREHMASCHINE MIT DIESEM STATOR

Title (fr)
STATOR ET MACHINE ÉLECTRIQUE TOURNANTE UTILISANT LEDIT STATOR

Publication
EP 3197020 A1 20170726 (EN)

Application
EP 15841467 A 20150819

Priority

- JP 2014190821 A 20140919
- JP 2015073262 W 20150819

Abstract (en)

A stator in which stator coils (10) are formed by a plurality of unit coils (4) arranged so as to be shifted from each other in the circumferential direction and each having: a first slot-accommodated portion (41a); a second slot-accommodated portion (41b); a first terminal wire (42a) extending from the first slot-accommodated portion (41a); a second terminal wire (42b) extending from the second slot-accommodated portion (41b) and shifted from the first terminal wire (42a) by one line of a conductive wire; a terminal-side coil end portion (42c); and first and second anti-terminal-side coil end portions (43a) and (43b), wherein the first terminal wire (42a) and the second terminal wire (42b) of the respective different unit coils (4) are joined with each other.

IPC 8 full level
H02K 3/04 (2006.01); **H02K 3/28** (2006.01); **H02K 15/085** (2006.01)

CPC (source: EP US)
H02K 1/146 (2013.01 - US); **H02K 3/12** (2013.01 - EP US); **H02K 3/28** (2013.01 - US); **H02K 15/026** (2013.01 - US);
H02K 15/0421 (2013.01 - EP US); **H02K 15/0464** (2013.01 - EP US); **H02K 15/066** (2013.01 - EP US); **H02K 15/085** (2013.01 - US)

Cited by
EP3661017A1; EP3930149A1; FR3118351A1; FR3118340A1; WO2022129796A1; FR3118349A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 3197020 A1 20170726; **EP 3197020 A4 20180425**; **EP 3197020 B1 20190731**; CN 106575895 A 20170419; CN 106575895 B 20181130;
CN 109167453 A 20190108; EP 3306787 A1 20180411; JP 6227155 B2 20171108; JP WO2016042968 A1 20170427;
US 10491056 B2 20191126; US 2017201134 A1 20170713; WO 2016042968 A1 20160324

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EP 15841467 A 20150819; CN 201580045297 A 20150819; CN 201811098846 A 20150819; EP 17204075 A 20150819;
JP 2015073262 W 20150819; JP 2016548784 A 20150819; US 201515321047 A 20150819